

FORM PTO-1449 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 1875.1100001		APPLICATION NO. 09/909,896	
				APPLICANT Agazzi et al.			
				FILING DATE July 23, 2001		GROUP 2662	

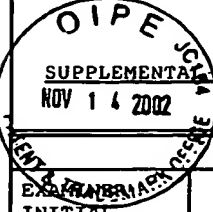
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TN	AL1	EP 1 139 619 A1	10/2001	EPO	H04L	25/02	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
TN	AM1	WO 01/29991 A2	04/2001	PCT	H04B	10/00	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
TN	AN1	WO 01/54317 A2	07/2001	PCT	H04B	10/00	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
TN	AO1	WO 01/65788 A2	09/2001	PCT	H04L	25/00	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	AP1						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
TN	AR	1	Otte, S. and Rosenkranz, W., "A Decision Feedback Equalizer for Dispersion Compensation in High Speed Optical Transmission Systems," <i>IEEE International Conference on Transparent Optical Networks</i> , IEEE, June 1999, pages 19-22.
TN	AS	1	Personick, S.D., "Receiver Design for Digital Fiber Optic Systems," <i>National Telecommunications Conference</i> , November 1973, pages 8E1-4.
TN	AT	1	Winters, G., "Electrical Signal Processing Techniques in Long-Haul, Fiber-Optic Systems," <i>IEEE International Conference on Communications</i> , IEEE, April 1990, pages 397-403.

EXAMINER <i>Toan D. Nguyen</i>	DATE CONSIDERED <i>12/15/04</i>
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TN	AR	2	Copy of International Search Report issued August 23, 2002 for Appln. No. PCT/US01/23038, 7 pages.			
	AS	2				
	AT	2				
EXAMINER <i>Tom D. Nguyen</i>				DATE CONSIDERED <i>12/15/04</i>		
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TN	AA1	5,650,954	07/1997	Minwhin	364	825	01/1996
TN	AB1	5,881,108	03/1999	Herzberg et al.	375	296	02/1996
TN	AC1	5,996,415	10/1999	Bliss et al.	375	350	06/1997
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
TN	AL1	0 483 439 A1	10/1990	Europe	—	—	✓ Yes No
TN	AM1	EP 0 805 447 A2	03/1997	Europe	—	—	✓ Yes No
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	AO1						Yes No
	AP1						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TN	AR	1	Olshansky, Robert et al., "Subcarrier Multiplexed Lightwave Systems for Broad-Band Distribution," <i>Journal of Lightwave Technology</i> , Vol. 7, No. 9 (September 1989) pp. 1329-1341.
TN	AS	1	Bingham, John A. C., "Multicarrier Modulation for Data Transmission: An Idea Whose Time Has Come," <i>IEEE Communications Magazine</i> , (May 1990), pp. 5-14.
TN	AT	1	Chiddix, James A. et al., "AM Video on Fiber in CATV Systems: Need and Implementation," <i>IEEE Journal on Selected Areas in Communications</i> , Vol. 8, No. 7 (September 1990), pp. 1229-1239.

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	AM2					Yes No
	AN2					Yes No
	AO2					Yes No
	AP2					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TN	AR	2	Darcie, Thomas E., "Subcarrier Multiplexing for Lightwave Networks and Video Distribution Systems," <i>IEEE Journal on Selected Areas in Communications</i> , Vol. 8, No. 7 (September 1990), pp. 1240-1248.
TN	AS	2	Olshansky, Robert et al., "Subcarrier Multiplexed Coherent Lightwave Systems for Video Distribution," <i>IEEE Journal on Selected Areas in Communications</i> , Vol. 8, No. 7 (September 1990), pp. 1268-1275.
TN	AT	2	Kanno, Norio and Ito, Katsuyoshi, "Fiber-Optic Subcarrier Multiplexing Video Transport Employing Multilevel QAM," <i>IEEE Journal on Selected Areas in Communications</i> , Vol. 8, No. 7 (September 1990), pp. 1313-1319.

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	AM3					Yes No
	AN3					Yes No
	AO3					Yes No
	AP3					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TN	AR	3	Liu, Ming-Kang and Modestou, Panayiotis C., "Multilevel Signaling and Pulse Shaping for Spectrum Efficiency in Subcarrier Multiplexing Transmission," <i>Journal of Lightwave Technology</i> , Vol. 12, No. 7 (July 1994), pp. 1239-1246.
TN	AS	3	Hatamian, Mehdi et al., "Design Considerations for Gigabit Ethernet 1000Base-T Twisted Pair Transceivers," <i>Proceedings of the Custom Integrated Circuits Conference</i> , May 11-14, 1998, pp. 335-342.
TN	AT	3	Frazier, Howard, "10Gig MII update," <i>IEEE 802.3 Higher Speed Study Group</i> , November 9, 1999, pp. 1-24.

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AM4						Yes No
AN4						Yes No
AO4						Yes No
AP4						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TN	AR	4	Alderrou, Don et al., "XAUI/XGXS Proposal," IEEE 802.3ae Task Force, May 23-25, 2000, slides 1-26
	AS	4	
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AA1		5,485,490	01/1996	Leung et al.	375	371	111
AB1		5,757,857	05/1998	Buchwald	375	271	111
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TN	AR	1	Personick, S.D., "Receiver Design for Digital Fiber Optic Communications Systems, I," American Telephone and Telegraph Company, The Bell System Technical Journal, Vol. 52, No. 6, July-August 1973, pp. 843-874.
TN	AS	1	Personick, S.D., "Baseband Linearity and Equalization in Fiber Optic Digital Communication Systems," American Telephone and Telegraph Company, The Bell System Technical Journal, Vol. 52, No. 7, September 1973, pp. 1175-1194.
TN	AT	1	Kasturia, Sanjay, et al., "Techniques for High-Speed Implementation of Nonlinear Cancellation," IEEE, IEEE Journal on Selected Areas in Communications, Vol. 9, No. 5, June 1991, pp. 711-717.

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TN	AR	2	Fettweis, Gerhard, et al., "High-Rate Viterbi Processor: A Systolic Array Solution," IEEE, IEEE Journal on Selected Areas in Communications, Vol. 8, No. 8, October 1990, pp. 1520-1533.
TN	AS	2	Fettweis, Gerhard, et al., "Parallel Viterbi Algorithm Implementation: Breaking the ACS-Bottleneck," IEEE, IEEE Transactions on Communications, Vol. 37, No. 8, August 1989, pp. 785-789.
TN	AT	2	Forney, G. David, Jr., "The Viterbi Algorithm," IEEE, Proceedings of the IEEE, Vol. 61, No. 3, March 1973, pp. 268-278.

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TN	AR	3	Kesper, B.L., "Equalization of Multimode Optical Fiber Systems," American Telephone and Telegraph Company, The Bell System Technical Journal, Vol. 61, No. 7, September 1982, pp. 1367-1388.
TN	AS	3	Winters, Jack H., "Electrical Signal Processing Techniques in Long-Haul Fiber-Optic Systems," IEEE, IEEE Transactions on Communications, Vol. 38, No. 9, September 1990, pp. 1439-1453.
TN	AT	3	Winters, Jack H., et al., "Reducing the Effects of Transmission Impairments in Digital Fiber Optic Systems," IEEE, IEEE Communications Magazine, June 1993, pp. 68-76.

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TN	AR	4	Agazzi, Oscar, <i>et al.</i> , "Measurement of Non-Stationarity of 10 Gb/s Multimode Fiber Links," presented at IEEE P802.3ae 10Gb/s Ethernet Task Force Equalization Ad Hoc, November 24, 2000, 5 pages.
TN	AS	4	Agazzi, Oscar, <i>et al.</i> , "Algorithm to Postprocess Measured Data," presented at IEEE 802.3ae Equalization Ad Hoc meeting, January 10, 2001, Irvine, California, pp. 1-11.
TN	AT	4	Agazzi, Oscar, <i>et al.</i> , "Measurements of DMD-Challenged Fibers at 3.125 Gb/s, presented at IEEE 802.3ae Equalization Ad Hoc meeting, January 10, 2001, Irvine, California, pp. 1-33.

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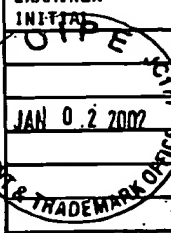
TN	AR	5	Lenosky, Tom, et al., "Measurements of DMD-Challenged Fibers at 1310nm and 1Gb/s Data Rate," presented at IEEE 802.3ae Equalization Ad Hoc meeting, Irvine, California, January 10, 2001, pp. 1-21.
TN	AS	5	Lenosky, Tom, et al., "Measurements of DMD-Challenged Fibers at 850nm and 2Gb/s Data Rate," presented at IEEE 802.3ae Equalization Ad Hoc meeting, Irvine, California, January 10, 2001, pp. 1-21
TN	AT	5	Agazzi, Oscar, E., "A Link Model for Equalized Optical Receivers," presented at IEEE 802.3ae Equalization Ad Hoc meeting, Hilton Head, South Carolina, March 11, 2001, pp. 1-30.

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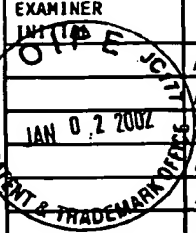
TN	AR	6	Isaacs, Matt, <i>et al.</i> , "Measurements of Fiber Responses at 5Gb/s Data Rate Using 850nm VCSELs," presented at IEEE 802.3ae Equalization Ad Hoc meeting, Hilton Head, South Carolina, March 11, 2001, pp. 1-18.
TN	AS	6	Giaretta, Giorgio, <i>et al.</i> , "Adaptive Equalization of DMD Challenged Multimode Fiber at 1300 nm," presented at IEEE P802.3ae Equalization Ad Hoc meeting, Hilton, South Carolina, March 11, 2001, 10 pages.
TN	AT	6	Lenosky, Thomas, <i>et al.</i> , "Five Gb/s Multimode DMD at 850 nm: Real-Time Data and Equalizer Simulations," presented at IEEE 802.3ae Equalization on Ad Hoc meeting, Hilton Head, South Carolina, March 11, 2001, 13 pages.

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	AN7						Yes No
	AO7						Yes No
	AP7						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TN	AR	Z	Peral, Eva, <i>et al.</i> , "Measurements of Time Variation in DMD-Challenged Multimode Fiber at 1310nm for 10GE Equalizer Applications," presented at IEEE 802.3ae Equalization Ad Hoc meeting, Hilton Head, South Carolina, March 11, 2001, 19 pages.
TN	AS	Z	Vorenkamp, Pieter, <i>et al.</i> , "Analog Interface for 10-Gb/s Ethernet," 13 pages, presented at IEEE 802.3ae 10Gb/s Task Force Plenary week meeting, Albuquerque, NM, March 7, 2000.
TN	AT	Z	Parhi, Keshab K., "Parallel Implementation of the DSP Functions of the PAM-5 10Gb/s Transceiver," presented at IEEE 802.3ae 10Gb/s Task Force Plenary week meeting, Albuquerque, NM, March 7, 2000, 12 pages.

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	AN8						Yes No
	AO8						Yes No
	AP8						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TN	AR	8	Personick S.D., "Receiver Design for Digital Fiber Optic Systems," National Telecommunications Conference, November 26-28, 1973, Vol. 1, The Institute of Electrical and Electronics Engineers, Inc., 1973, pp. 8E-1-8E-4.
TN	AS	8	Bhatt, Vipul, "Equalization Ad Hoc Concluding Report," presented at IEEE P802.3ae Equalization Ad Hoc meeting, Hilton Head, South Carolina, March 11, 2001, pp. 1-12.
TN	AT	8	Agazzi, Oscar, et al., "DSP-Based Equalization for Optical Channels: Feasibility of a VLSI Implementation," presented at IEEE 802.3ae 10Gb/s Task Force Interim meeting, New Orleans, Louisiana, September 12, 2000, pp. 1-39.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA9						
	AB9						
	AC9						
	AD9						
	AE9						
	AF9						
	AG9						
	AH9						
	AI9						
	AJ9						
	AK9						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL9						Yes No
	AM9						Yes No
	AN9						Yes No
	AO9						Yes No
	AP9						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TN	AR	2	Agazzi, Oscar, et al., "10Gb/s PMD Using PAM-5 Trellis Coded Modulation," presented at IEEE 802.3ae 10Gb/s Task Force Plenary week meeting, Albuquerque, New Mexico, March 7, 2000, pp. 1-38.
TN	AS	2	Agazzi, Oscar, "10Gb/s PMD Using PAM-5 Modulation," presented at IEEE 802.3, Dallas, January 18-20, 2000, pp. 1-19.
TN	AT	2	Lenosky, Thomas, "A Unified Method of Calculating PMD-induced Pulse Broadening," presented at IEEE 802.3ae Equalization Ad Hoc meeting, Tampa, Florida, November 5, 2000, 8 pages.

EXAMINER Toan D. Nguyen	DATE CONSIDERED 12/15/04
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1875.1100001	APPLICATION NO. 09/909,896
	APPLICANT Agazzi et al.	
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA10						
	AB10						
	AC10						
	AD10						
	AE10						
	AF10						
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	AH10						
	AI10						
	AJ10						
	AK10						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL10						Yes No
	AM10						Yes No
	AN10						Yes No
	AO10						Yes No
	AP10						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TN	AR	10	Agazzi, Oscar et al., "Interim Observations on Multimode Optical Channels," presented at IEEE 802.3ae Equalization Ad Hoc meeting, Tampa, Florida, November 5, 2000, pp. 1-29.
TN	AS	10	"Progress Report on Equalization of Multimode Fibers," presented at IEEE 802.3ae Equalization Ad Hoc meeting, Irvine, California, January 10, 2001, pp. 1-16.
	AT	10	

EXAMINER Toan D. Nguyen	DATE CONSIDERED 12/15/04
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